

What is claimed:

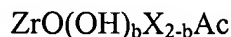
1. A method of making solid activated aluminum-zirconium composition having a metal/chloride ratio of about 1.2 to about 1.3 comprising:

- i) heating 8-20% by weight basic aluminum halides or nitrate of the formula:



wherein X is Cl, Br or NO<sub>3</sub>, wherein a is from about 1 to 1.5 from 50<sup>0</sup>C, to about reflux for about 2 to 20 hours and cooling to RT, mixing with small amount of AlCl<sub>3</sub> or HCl or a mixture there of AlCl<sub>3</sub> and HCL at about RT for a period of about 5 minutes to about 30 minutes,

- ii) mixing with the solution of a zirconium glycine compound of the formula:



wherein b is a numerical number from 0 to 0.7, X is Cl, Br or NO<sub>3</sub>, A is an amino acid, c is a number from 0.8 to about 1.2 and

- iii) drying the blended solution of (i) and (ii) to a solid.

2. The method according to claim 1 wherein the amount of AlCl<sub>3</sub> added is such that the weight ratio of aluminum in basic aluminum halides to the weight of AlCl<sub>3</sub> (32°Be) is about 0.5 to about 10.
3. The method according to claim 1 wherein the amount of AlCl<sub>3</sub> added is that the weight ratio of aluminum in basic aluminum halides to the weight of AlCl<sub>3</sub> (32°Be) is about 3 to about 5.
4. The method according to claim 1 wherein the mixing time of activated aluminum component and AlCl<sub>3</sub> is about 1 to about 5 minutes.

5. The method according to claim 1 wherein the mixing time of activated aluminum component and  $\text{AlCl}_3$  is from about 25 to about 30 minutes.
6. The method according to claim 1 wherein the amino acid is glycine.
7. The method according to claim 1 wherein the molecular ratio of glycine to zirconium is 1.
8. An activated Al-Zr composition having a metal (Al+Zr) to chloride molar ratio of about 1.20 to about 1.30 and aluminum to zirconium atomic ratio of about 2 to 10 with at least 10% Al species at chemical shift about 0 ppm and at least 2% Al species at chemical shift about 63 ppm by  $^{27}\text{Al}$  NMR.
9. A composition according to Claim 8 wherein the composition has about 20% HPLC Band IV.
10. A composition according to Claim 8 wherein the composition has a HPLC Band III/II area ratio of about 1.
11. A composition according to Claim 8 wherein the composition has amino acid to zirconium mole ratio of about 0.8 to about 1.2.